

3ACE Exercise 1

Investigation 3

Moving Straight Ahead

1. Ms. Chang’s class decides to use the *Cool Tee’s* company to make their T-shirts. The following equation represents the relationship between cost C and the number of T shirts n .

$$C = 2n + 20$$

- a. The class wants to buy 25 T-shirts from *Cool Tee’s*. Describe how you can use a **table** and a **graph** to find the cost for 25 T-shirts.

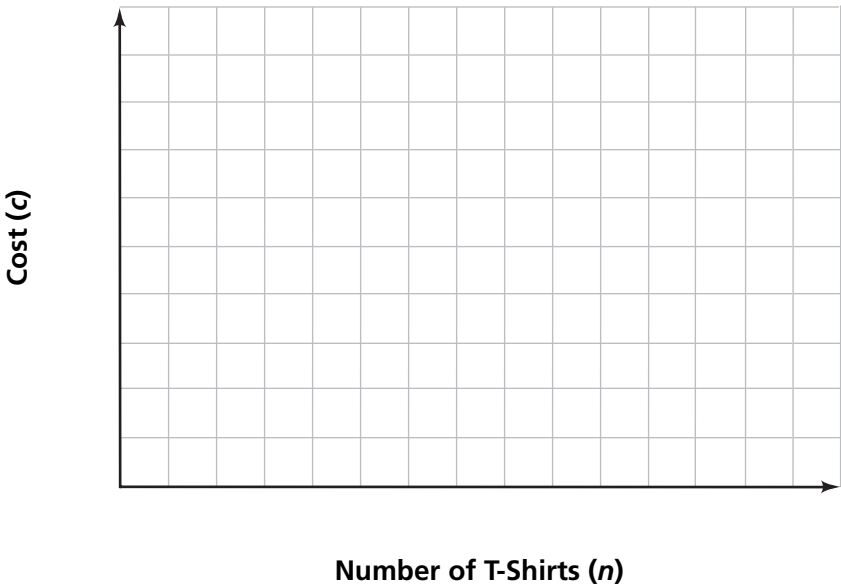
HINT If you are unsure, try using a table or a graph and then explain.

T-shirt Cost

n (T-shirts)	0	1	5	10	15	20	25
C (cost)	\$20						

How can you use the **table**?

T-shirt Cost



How can you use the **graph**?

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- b. Suppose the class has \$80 to spend on T-shirts. Describe how you can use a table and a graph to find the number of T-shirts the class can buy.

HINT Refer to your graph and table in part (a).

How could you use the **table**?

How could you use the **graph**?

- c. Sophia writes the following equation in her notebook:

$$C = 2(15) + 20$$

What information is Sophia looking for?

- d. Elisha used the **coordinates** (30, 80) to find information about the cost of the T-shirts. What information is she looking for?